

Appendix table 7-8.

U.S. receipts and payments of royalties and license fees generated from the exchange and use of industrial processes with unaffiliated foreign residents, by region and country: 1987-97

(Millions of U.S. dollars)

Region/country	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Receipts											
All countries	1,678	1,962	2,051	2,333	2,434	2,525	2,820	3,026	3,513	3,488	3,272
Canada	87	60	62	79	62	47	41	54	55	81	82
Europe	446	517	530	630	575	637	642	768	829	1,028	807
European Union	353	410	378	500	475	498	496	598	756	930	724
France	73	82	52	78	91	64	89	107	84	122	85
Germany ^a	79	73	77	107	97	108	109	142	171	218	168
Italy	57	73	68	105	70	99	69	71	66	65	75
United Kingdom	60	67	81	91	106	103	103	113	115	123	107
All other	93	107	152	130	100	263	272	170	73	98	83
So./Central America	64	48	54	59	85	73	D	83	D	D	69
Brazil	19	7	14	8	8	6	7	8	9	12	11
Mexico	14	13	18	23	31	29	28	33	24	26	25
All other	31	28	22	28	46	38	D	42	D	D	33
Africa	D	22	24	22	34	27	36	26	35	28	17
Middle East	D	18	17	22	25	21	33	20	35	23	40
Asia and the Pacific	936	1,185	1,248	1,465	1,638	1,704	1,966	2,063	2,462	2,238	2,249
China	NA	33	31	43	48						
Hong Kong	4	6	7	6	6	11	12	15	22	8	D
India	18	40	26	21	14	34	D	28	27	37	31
Indonesia	5	5	8	11	20	13	20	20	15	13	23
Japan	723	883	897	1,028	1,219	1,268	1,434	1,372	1,548	1,388	1,437
Malaysia	*	*	2	2	2	7	18	19	D	D	D
The Philippines	3	4	4	4	2	3	D	1	2	2	7
Singapore	30	13	8	19	21	20	20	73	34	30	44
South Korea	34	107	167	249	225	220	278	396	607	478	391
Taiwan	21	46	34	55	57	42	34	39	80	129	148
All Other ^b	98	81	95	70	72	86	D	67	96	110	120
Payments											
All countries	459	525	612	665	796	818	1,054	1,034	948	1,233	1,265
Canada	9	11	8	16	11	10	8	11	13	57	76
Europe	320	355	433	482	637	635	820	712	572	765	774
European Union	248	279	342	360	426	417	472	395	461	635	613
France	33	37	51	54	73	D	92	92	121	192	199
Germany ^a	100	112	137	133	182	D	187	113	110	148	148
Italy	25	20	22	29	34	24	9	7	9	D	D
United Kingdom	72	90	102	111	106	125	123	104	126	132	111
All other	72	76	91	122	211	D	409	317	111	130	161
So./Central America	5	*	*	*	1	D	D	D	D	D	2
Brazil	*	*	*	*	*	*	2	2	*	*	*
Mexico	3	*	*	*	*	1	*	1	D	*	D
All other	2	NA	NA	NA	1	D	D	D	D	D	D
Africa	*	4	*	0	*	*	*	1	*	4	3
Middle East	2	3	4	3	4	5	9	9	13	10	9
Asia and the Pacific	95	112	120	160	140	152	200	283	333	382	391
China	NA	7	*	D	D						
Hong Kong	1	*	*	0	*	*	2	3	D	*	*
India	*	*	*	*	*	*	0	*	*	0	*
Indonesia	0	*	0	0	0	*	0	0	*	*	0
Japan	88	108	109	141	138	145	191	262	307	305	334
Malaysia	0	0	0	0	0	0	*	0	*	*	*
The Philippines	0	*	1	0	0	*	*	*	*	*	*
Singapore	*	0	0	0	*	D	*	*	*	*	0
South Korea	*	*	D	D	*	1	1	6	D	D	D
Taiwan	*	*	D	1	*	2	2	2	*	*	*
All other ^b	6	4	10	D	2	D	4	3	26	77	57

See explanatory notes, if any, and SOURCE at end of table.

See figure 7-8 in Volume 1.

Appendix table 7-8.

U.S. receipts and payments of royalties and license fees generated from the exchange and use of industrial processes with unaffiliated foreign residents, by region and country: 1987-97

(Millions of U.S. dollars)

Region/country	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Balance											
All countries	1,219	1,437	1,439	1,668	1,638	1,707	1,776	1,992	2,565	2,255	2,007
Canada	78	49	54	63	51	37	33	43	42	24	6
Europe	126	162	97	148	-62	2	-178	56	257	263	33
European Union	105	131	36	140	49	81	24	203	295	295	111
France	40	45	1	24	18	D	-3	15	-37	-70	-114
Germany ^a	-21	-39	-60	-26	-85	D	-78	29	61	70	20
Italy	32	53	46	76	36	75	60	64	57	D	D
United Kingdom	-12	-23	-21	-20	0	-22	-20	9	-11	-9	-4
All other	21	31	61	8	-111	D	-137	-147	-38	-32	-78
So./Central America	59	48	54	59	83	D	D	D	D	D	67
Brazil	19	7	14	8	8	6	5	6	9	12	11
Mexico	11	13	18	23	30	28	28	32	D	26	D
All other	29	28	22	28	45	D	D	D	D	D	D
Africa	D	18	24	22	34	27	36	25	35	24	14
Middle East	D	15	13	19	21	16	24	11	22	13	31
Asia and the Pacific	841	1,073	1,128	1,305	1,498	1,552	1,766	1,780	2,129	1,856	1,858
China	NA	24	31	D	D						
Hong Kong	3	6	7	6	6	11	10	12	D	8	D
India	18	40	26	21	14	34	D	28	27	37	31
Indonesia	5	5	8	11	20	13	20	20	15	13	23
Japan	635	775	788	887	1,081	1,123	1,243	1,110	1,241	1,083	1,103
Malaysia	NA	0	2	2	2	7	18	19	D	D	D
The Philippines	3	4	3	4	2	3	D	1	2	2	7
Singapore	30	13	8	19	21	D	20	73	34	30	44
South Korea	34	107	D	D	225	219	277	390	D	D	D
Taiwan	21	46	D	54	57	40	32	37	80	129	148
All other ^b	92	77	85	D	70	D	D	64	70	33	63

* = less than \$500,000; D = withheld to avoid disclosing operations of individual companies; NA = not available

^aGerman data prior to 1990 are for the former West Germany only. Beginning in 1990, these data are also for the former East Germany.^bIncludes data for China for years prior to 1994.

NOTE: Industrial processes include patents and other proprietary inventions and technology.

SOURCE: U.S. Bureau of Economic Analysis, *Survey of Current Business*, Vol. 78, No. 10 (October 1998): 94-97.